

METHOD AND APPARATUS FOR GUIDE CATHETER POSITIONING

ABSTRACT OF THE DISCLOSURE

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The present disclosure describes a method and apparatus for guide catheterization. In one embodiment, a guiding catheter system includes a flexible shaft having a distal end shaped for accessing a target vessel. A handle assembly is movably coupled to the flexible shaft. The flexible shaft is selectably movable between a plurality of discrete positions of a first degree-of-freedom defined relative to the flexible shaft. The flexible shaft restrained in the first degree-of-freedom at each position of the plurality of discrete positions. The flexible shaft movable through a predetermined displacement of a second degree-of-freedom defined relative to the flexible shaft at each position of the plurality of discrete positions. Motion of the flexible shaft relative to the handle assembly results in a controllable sweeping motion at the distal end of the flexible shaft.